SCC-B9221

VARI-FOCAL BULLET CAMERA

operating instructions

ENG

FRA

SPA

JPA

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safety precautions

CAUTION

RISK OF ELECTRIC SHOCK.
DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK,
DO NOT REMOVE COVER (OR BACK)NO USER-SERVICEABLE PARTS
INSIDEREFER SERVICING TO QUALIFIED SERVICE PERSONNEL

This symbol indicates that dangerous voltage consisting a risk of electric shock is present within this unit.

This symbol indicates that there are important operating and maintenance instructions in the literature accompanying this unit.

WARNING

- To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.
- To prevent injury, this apparatus must be securely attached to the floor/wall in accordance with the installation instructions.
- If this power supply is used at 240V ac, a suitable plug adapter should be used.

WARNING

1. Be sure to use only the standard adapter that is specified in the specification sheet. Using any other adapter could cause fire, electrical shock, or damage to the product.
2. Incorrectly connecting the power supply or replacing battery may cause explosion, fire, electric shock, or damage to the product.
3. Do not connect multiple cameras to a single adapter. Exceeding the capacity may cause abnormal heat generation or fire.
4. Securely plug the power cord into the power receptacle. Insecure connection may cause fire.
5. When installing the camera, fasten it securely and firmly. A falling camera may cause personal injury.
6. Do not place conductive objects (e.g. screwdrivers, coins, metal things, etc.) or containers filled with water on top of the camera.
   Doing so may cause personal injury due to fire, electric shock, or falling objects.
7. Do not install the unit in humid, dusty, or sooty locations.
   Doing so may cause fire or electric shock.
8. If any unusual smells or smoke come from the unit, stop using the product.
   In such case, immediately disconnect the power source and contact the service center. Continued use in such a condition may cause fire or electric shock.
9. If this product fails to operate normally, contact the nearest service center.
   Never disassemble or modify this product in any way. (SAMSUNG is not liable for problems caused by unauthorized modifications or attempted repair.)
10. When cleaning, do not spray water directly onto parts of the product.
    Doing so may cause fire or electric shock.

CAUTION

1. Do not drop objects on the product or apply strong shock to it.
   Keep away from a location subject to excessive vibration or magnetic interference.
2. Do not install in a location subject to high temperature (over 122°F), low temperature (below 14°F), or high humidity. Doing so may cause fire or electric shock.
3. If you want to relocate the already installed product, be sure to turn off the power and then move or reinstall it.
4. Remove the power plug from the outlet when then there is a lightning.
   Neglecting to do so may cause fire or damage to the product.
5. Keep out of direct sunlight and heat radiation sources. It may cause fire.
6. Install it in a place with good ventilation.
7. Avoid aiming the camera directly towards extremely bright objects such as sun, as this may damage the CCD image sensor.
8. Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.
9. The Mains plug is used as a disconnect device and shall stay readily operable at any time.

FCC STATEMENT

This product satisfies FCC regulations whenshielded cables and connectors are used toconnect the unit to other equipment.
To prevent electromagnetic interference withelectric appliances, such as radios and televisions, use shielded cables and connectors for connections.

FCC NOTE (for U.S.A):

This equipment has been tested and found tocomply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.
This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC regulations state that any unauthorizedchanges or modifications to this equipment mayvoid the user's authority to operate it.

IC Compliance Notice
This Class A digital apparatus meets all requirements of the Canadian interference-Causing Equipment Regulations of ICES-003.

important safety instructions

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings.
   Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers,
   or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug.
   A polarized plug has two blades with one wider than the other.
   A grounding type plug has two blades and a third grounding prong.
   The wide blade or the third prong is provided for your safety.
   If the provided plug does not fit into your outlet, consult an electrician for replacement
   of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs,
    convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with cart, stand, tripod, bracket, or table specified by the manufacturer,
    or sold with the apparatus.

13. Unplug this apparatus. When a cart is used, use caution when moving the cart/
    apparatus combination to avoid injury from tip-over.
14. Refer all servicing to qualified service personnel.
    Servicing is required when the apparatus has been damaged in any way,
    such as power-supply cord or plug is damaged, liquid has been spilled or objects
    have fallen into the apparatus, the apparatus has been exposed to rain or moisture,
    does not operate normally, or been dropped.

Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus

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features

- SONY 1/3” Super HAD High-resolution Color CCD
- Resolution: 480TVL (Color)
- Externally Adjustable Focal Length & Focus by Ring
- Back Light Compensation
- Vari-focal Fixed Iris Lens built-in
  -4 ~ 9 mm/F1.5
- Externally Adjustable DC Iris Level
- Back Side, Top and Bottom Side Bracket Mounting
- Waterproof Outdoor Installation (IP66)

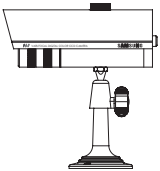
things to keep in mind during installation and use

- Do not disassemble the camera on your own.
- Always be careful when handling the camera. Do not strike the camera by your fists or shake it. Please be careful not to be careless when storing and operating it.
- Do not place or operate the camera in any wet environment such as rain or wet surfaces.
- Do not clean the camera with rough sandpaper. Please always use a dry cloth when cleaning it.
- Put the camera in a cool area free from direct sunlight. Otherwise, the camera may be damaged.

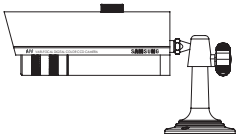
1. BRACKET & CAMERA MOUNTING

- Affix the bracket to the mounting surface.
- Drill up the supplied screws on the mounting surface through the holes on the bracket.
- Fix the camera on the bracket as belows.

[Top Side Mounting]



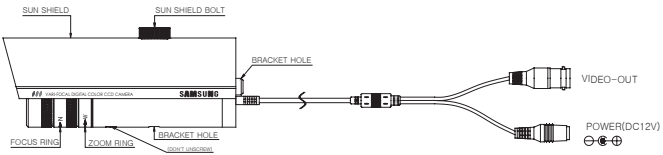
[Bottom Side Mounting]



[Back Side Mounting]

2. POWER CONNECT & MONITOR IMPEDANCE

- Adaptor: DC12V/300mA Regulated Power Supply.
- To avoid fire or shock hazard, must use a UL listed power supply.
- Set the monitor impedance switch to 75Ω. Check the impedance switch when the screen turns blurred.



3. VIEW ANGLE ADJUSTMENT

- For a wide view angle turn the ZOOM RING to wide(W), for a narrower view angle turn it to tele(T).
- After properly controlled, adjust the FOCUS RING to near(N) or far(∞) while holding the zoom ring by a hand.

4. SUN-SHIELD MOUNTING

- After adjusting view angle, cap over the camera with the sun-shield and fix it to the camera with the sun-shield bolt.

troubleshooting

If you have trouble operating the camera, check the following guides for the possible problem.

- **Nothing appears on the screen.**
  - Check the power connection and video signal line connection.
  - Check the brightness level of DC Auto Iris volume of the camera.
- **The video image is not clear.**
  - Check if the camera glass has dust on the surface.
    Clean the camera glass with a clean cloth or brush.
  - Make sure that the screen is not exposed directly to a bright light.
    Adjust the position of the camera if necessary.
  - Check if protective film of camera glass is removed.
- **The screen is dark**
  - Adjust the brightness feature of the monitor.
  - Check the brightness level of DC Auto Iris volume of the camera.
- **The screen does not properly display when IR LEDs work.**
  - Check if the camera glass has dust.
  - Clean the camera glass with a clean cloth or brush.

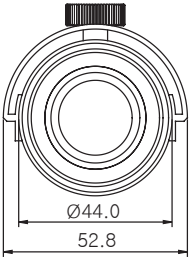
If you cannot solve the problem with above guidelines, please contact an authorized technician.

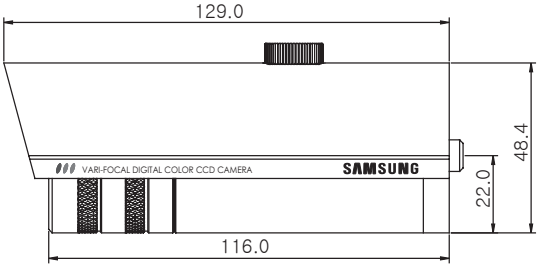
specifications

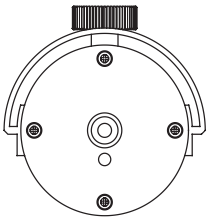
ITEM	NTSC
Image Sensor	1/3" Interline transfer type color CCD (SONY)
Effective Pixels	768H × 494V (380K pixels)
Scanning System	525 Lines 2:1 Interlace
Scanning Frequency	15.734KHz (H), 59.94Hz (V)
Resolution	480TVL
Shutter Speed	1/60~100,000 sec.
S/N Ratio	More than 48dB (AGC Off)
Sync. System	Internal
Min. Illumination	0.3 Lux(F1.5, 50 IRE)
White Balance	AWC selectable
Video Output	VBS 1.0 Vp-p (75Ω Load)
Lens	4~9mm Vari-Focal, Fixed Iris Lens (F1.5)
Power Supply(*)	DC12V±10%
Power Consumption	1.7W
Operating Temp.	-10℃ ~ +50℃
Operational Humidity	Max. 90% RH
Dimensions	44mm (Ø) × 116mm (L)

(*) Must use regulated & specified power supply.

dimensions







(unit: mm)

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